

Amendments To The Claims

The listing of claims presented below will replace all prior versions, and listings, of claims in the application.

Listing of claims:

Claims 1-10 (Cancelled)

CLAIMS

11. (new) Analog signal repeater system where repeaters with signal gains are applied to facilitate high frequency transmission range and stability and bandwidth across a signal transmission distance including power grid distribution and termination points comprising:

the repeater system wherein at least one of said signal transmission distance is constituting a repeater cascade wherein at least two electrically accessible physical points include at least one repeater at each of said points where said repeater cascade is using not more than two frequency bands for one signal direction and where the combination of transfer losses and inserted dampening increase isolation between ports at said physical points of said repeaters in any of said frequency band to control problems from interference between said ports of at least one of said physical points and between at least one of said ports in at least one of said physical points and one of said ports in at least one other of said physical points

12. (new) Analog signal repeater system according to claim 1, further comprising said repeater cascade to be using one of said repeaters for each transmission direction in each repeater point and where said repeaters are using at least different frequency bands for said transmission directions in each repeater point to achieve duplex and signal transmission in more than one direction across said signal transmission distance

13. (new) Analog signal repeater system according to claim 1, wherein said two frequency bands being used by said repeaters to employ frequency conversion

14. (new) Analog signal repeater system according to claim 1, further comprising an adapter connected to at least one of said repeaters allowing equipment with standardized modulation and protocol that include duplex system standards as in Docsis cable modem standards

15. (new) Analog signal repeater system according to claim 1, wherein said repeater cascade is using two frequency bands using two of said repeaters in at least one repeater point where said repeaters each repeat signals on the same frequency in one of said frequency bands to provide full duplex transmission

16. (new) Analog signal repeater system according to claim 1, further comprising
at least one of said repeaters with said two way transmission to be interfaced to two-way wireless communication device

17. (new) Analog signal repeater system according to claim 1, wherein the said isolation between ports in electrically accessible physical points consisting of conductor junctions is increased using toroids with magnetic material on at least two conductors while differential signal couplers are connected galvanically through capacitors to at least two conductors on the cable side and while at least one capacitor differentially provides a high frequency low impedance shunt impedance for at least two conductors on the junction side

18. (new) Analog signal repeater system according to claim 1, wherein at least one of said repeater cascade is utilizing a single conductor for signal transmission in at least one direction between at least two of said repeaters

19. (new) Analog signal repeater system according to claim 1, wherein at least one of said repeater cascade to include at least one junction of conductors where at least one conductor acts as additional said port

20. (new) Analog signal repeater system according to claim 1, wherein the said isolation between ports in electrically accessible physical points consisting of conductor junctions is increased using toroids with magnetic material on at least two conductors while differential signal couplers are connected to a wire looping through said toroids on at least said two conductors on the cable side and while at least one capacitor differentially provides a high frequency low shunt impedance for at least two conductors on the junction side